5: Prospective Memory & Assistive Technology

Session 1: Prospective Memory—What is it?

Topic: Remembering to Remember

Prospective Memory and Assistive Technology

Session 1 Objectives (50 minutes)

Sess	ession I Objectives (50 minutes)				
$\overline{\mathbf{V}}$	Lecture Topic	Notes	Time Allotted		
	Homework: Check APT-3 homework status.	Refer to Homework APT -3	5		
	Completed from previous week	Generalization Form.	Min		
	Pending assignments for the week				
	Define : The types of memory	Poton to The Moment Custom			
	Sensory	Refer to The Memory System.			
	Short-term				
	Long-term		10		
	Define : The stages of memory		2.6		
	Attention		Min		
	Encoding				
	Consolidation				
	Retrieval				
	Define : Prospective memory	Refer to Prospective Memory.			
	Identify : Common memory difficulties and factors that affect memory	Refer to Daily Effects of Memory	10		
	Discuss normalization of memory difficulties.	and Attention Difficulties.	Min		
	Discuss effects on daily function.				
	Review memory goals.				
	Review: Assistive technology questionnaire				
	Introduce: Multiple uses of high and low tech devices	Refer to External Memory	20		
	Determine efficiency of current compensatory	Strategies. Refer to Tips for	20 Min		
	system.	Technology and Selecting a System.	Min		
	Make suggestions for modifications.				
	Homework: Present homework and discuss expectations.	Refer to Secret file (not	5		
	Client is to deliver <i>Secret</i> file to clinic this same day at time designated by clinician, and mutually agreed upon by client.	included).	Min		

Secret File

The purpose of the secret file is to serve as a prospective memory task for the client. The secret file should be a tangible item the client will be required to turn in or deliver to a designated person at a designated time. The clinician may say, for example, "You will need to take this form to your case manager this afternoon between 1400 and 1500 hours when she is available" or "Fill out this form and turn it in to the front desk when you come to your next appointment." The secret file may be:

- A sealed envelope
- A form to be filled out
- An informational document

Session 2: APT-3 and Generalization Activity

Topic: Remembering to Remember Prospective Memory and Assistive Technology

Session 2 Objectives (50 minutes)

$\overline{\mathbf{A}}$	Lecture topic	Notes	Time Allotted
	Homework: Assign prospective memory task. (Clinician tells client to say when there are 4 minutes left in the session. When client tells clinician that there are 4 minutes left, the client will be asked to do the <i>Homework</i> sheet. Homework can be completed very quickly. If client does not remember to tell clinician at 4 minutes left in session, he/she will do <i>Homework</i> outside of session.) Note: Encourage client to use external cues and strategies (either visual or auditory)	Refer to Homework.	2 Min
	APT-3	Refer to APT-3 Software.	30 Min
	Complete: APT-3 metacognitive and generalization activities Review performance on APT- 3 software.	View performance on APT-3 Computer Program through View Data on Performance, then select the task to view or edit Current APT-3 Program>History (View)>Task Data Over Time or Detailed Task Data.	
	Discuss how various strategies can improve performance and discuss generalization to everyday activities.	For generalization activity, refer client to APT-3 Generalization Form and refer to the APT-3 Generalization Form examples in Appendix B. Clinician will refer to Clinician Score Sheet in	15 Min
	Clinician fills out clinician score sheet for current APT-3 session	Appendix C to enter data For information on APT-3 sections, refer to APT-3 Manual (available on APT-3 drive).	
	Complete Homework in session or discuss Homework that needs to be completed		_
	Have client identify successful strategy if he completed activity and suggest alternate strategy if he did not complete activity successfully	Refer to Secret File in Session 1.	3 Min

Session 3: How Will You Remember?

Topic: Remembering to Remember

Prospective Memory and Assistive Technology

Session 3 Objectives (50 minutes)

V		Lecture topic	Notes For this session, you will need the Model of Specialist Smith's home.	Time Allotted
	Hot	mework: Review status of group homework.		10
		Address any questions regarding homework.		Min
	Activity: Use role play to practice using various compensatory devices during session. Train and practice implementing client's compensatory device to manage schedule, medications, budgeting, family birthdays, anniversaries, household responsibilities and other tasks. Note: If client moves through this exercise quickly, move to Where are my car keys? Exercise.		Refer to How Will You Remember?	40 Min
	Acti	ivity: Review Where Are My Car Keys?	Refer to Where Are My Car Keys? (Part 1)	
		Direct client to look at model of Specialist Smith's home (model form) to complete the activity.		

Specialist Smith's home

The purpose of the Specialist Smith's Home activity is to provide visual examples of compensatory strategies for everyday memory tasks such as remembering where you put your phone, or remembering daily tasks. Organization and routines are key strategies in this activity. For this activity, a model home was used; however, alternatives may be the following:

- Pictures of rooms in a house accessed on the internet (entry way, kitchen or place frequented in the house)
- Pictures of the client's house
- The therapy room where sessions are conducted

Session 4: APT-3 and Generalization Activity

Topic: Remembering to Remember Prospective Memory and Assistive Technology

Session 4 Objectives (50 minutes)

V	Lecture topic	Notes	Time Allotted
	APT-3	Refer to APT-3 Software.	30 Min
	Complete: APT-3 metacognitive and generalization activities	View performance on APT-3 Computer Program through <i>View Data on Performance</i> ,	
	Review performance on APT- 3 software.	then select the task to view or edit Current APT-3 Program>History (View)>Task Data Over Time or Detailed Task Data.	
	Discuss how various strategies can improve performance and discuss generalization to everyday activities.	For generalization activity, refer client to APT -3 Generalization Form and refer to the APT -3 Generalization Form Examples in Appendix B.	15 Min
	Fill out clinician score sheet for current APT-3 session.	Refer to <i>Clinician Score Sheet</i> in Appendix C to enter data.	
		For information on APT-3 sections, refer to APT-3 Manual (available on APT-3 drive).	
	Homework: Check on homework status		
	Make sure client continues to use compensatory strategies and/or equipment to keep track of pertinent information		5 Min

Session 5: Prospective Memory—Where Are My Car Keys?

Topic: Remembering to Remember Prospective Memory and Assistive Technology

Session 5 Objectives (50 minutes)

V	Lecture topic	Notes	Time Allotted
	Review the ways that the client can modify his/her home environment to make remembering things easier.	Refer to Where are my car keys (Part 2) sheet.	25 Min
	Goal Review/Modification	Refer to Clinician's Helper: Goal Attainment Scaling.	
	Match learned skills to goals.	Refer to client's <i>Goal Attainment Scaling Forms</i> (located in the Goal Setting section in the front of the manual).	25 Min

Clinician's helper: goal attainment scaling

See Appendix D for examples.

I. Purpose= Measures goal achievement/progress.
Rated on a continuum:

+2	+1	0	-1	-2
much more	somewhat	expected	somewhat	much less
than	more than	outcome	less than	than
expected	expected		expected	expected
			This is baseline	
			for constructing	
			GAS goals	

- II. How to construct or revise GAS goals:
 - A. Construct goals using **SMART**
 - 1. **S**pecific
 - 2. **M**easurable
 - 3. Attainable in the amount of time that client has in SCORE
 - 4. **R**ealistic for completion during engagement in SCORE
 - 5. Timely
 - B. Prioritize goals from most important to least important (goal number one is most important)
 - C. For each goal, first define where client is currently performing (-1 on GAS scale)
 - D. After current performance spelled out, define expected level of outcome (0 on scale)
 - E. After expected level of outcome spelled out, define +1 and +2 goals
 - F. After +1 and +2 goals spelled out, define -2 goals
 - G. Follow-up/review at the end of each week

6: Alternating Attention

Session 1: Attention

Top	Topic: Juggling Duties						
Alte	Alternating and Divided Attention						
Sessi	on 1 Objectives (50 minutes)						
$\overline{\mathbf{V}}$			Notes				
	Lecture topic		You will use a set of individually cut address cards (included): Names & Address Sorting List	Time Allotted			
	Homework: Check APT-3 homework.						
	Completed from previous week Check Homework APT-3 General Form.		work APT-3 Generalization	5			
	Pending assignment for the week	1'0777.		Min			
	Review the components of information processing.						
	Sensory						
	Short-term (working) memory			5			
	Long-term memory			Min			
	Review concept of alternating and divided attention.	D 6 H//		10			
	The idea of multitasking—is it really more efficient?	Refer to Wh	oat is Attention.	Min			
	Activity : Complete alternating and divided attention task with address cards.		/No Trivia & Address Cards. letacognitive Rating Scale for	20			
	Refer to Metacognitive Rating Scale.	this activity.	o o	Min			
	Discuss tradeoff between accuracy of performance & speed.			2.222			
	Homework : Assign <i>Juggling Duties Challenges</i> and discuss expectations.	Refer to Juggling Duties Challenges.					
	Direct clients to identify situations where they alternate and multi task/alternate attention in their daily routine environment.			10 Min			

Answer key: YES/NO trivia



YES/NO Trivia Answer Key

Alternating and Divided Attention Task

Please answer each of the following questions you hear with a <u>Yes</u> or <u>No</u>.

At the same time, I will give you instructions on how to separate this set of address cards. The order in which you must sort the cards will change. I will tell you when to change.

Give client set of address cards.

Instruct client to sort cards in alphabetical order as follows every 3-4 minutes:

- a. Begin sorting by the name of business
- b. Now sort by contact person
- c. Now sort by city

Continue activity until client has completed at least 10 minutes. You may repeat the sorting order instructions.

	Questions	Answer	Response
1	Is today Monday (fill in day of the week)?	Y	
2	Is the year 2011?	N	
3	Is it night time?	N	
4	Are we in Houston?	N	
5	Are there 256 days in a year? 365	N	
6	Is this an Air Force base?	N	
7	Did you have breakfast?	Y/N	
8	Do you like playing sports?	Y/N	
9	Are the Spurs your favorite sports team?	Y/N	
10	Have you been to the dining facility today?	Y/N	
11	Is it rainy outside?	Y/N	
12	Did you drive here today?	Y/N	
13	Is the Fourth of July Holiday coming up?	Y/N	

14	Do you enjoy meals-ready-to-eat (MREs)?	Y/N
15	Is today your birthday?	Y/N
16	Are there 5,280 feet in a mile?	Y
17	Are there 3 quarts in a gallon?	N
18	Does mixing the colors yellow and blue make purple?	N
19	Is a group of fish called a pod?	N
20	Does 14 + 17 equal 31?	Y
21	Is Mercury the closest planet to Earth? Venus or Mars	N
22	Are there 12 ounces in a pound? 16	N
23	Was Buzz Aldrin the first man to walk on the moon?	N
24	Do you have your ID card with you?	Y/N
25	Are there 3 feet in a yard?	Y
26	Including the end zone, are there 120 yards on a football field?	Y
27	Are there 30 miles in a marathon? 26.2	N
28	Is a baker's dozen twelve? 13	N
29	Are opossums part of the marsupial family?	Y
30	Is a group of lions called a pack? pride	N
31	Does an average baby weigh 8 pounds? 7.5	N
32	Is Camaro made by Chrysler? Chevy	N
33	Is Benjamin Franklin on the 100 dollar bill?	Y
34	Was China recently afflicted with a tsunami?	N
35	Is salt removed from water in the process of desalination?	Y
36	Is a president's term in office 5 years? 4	N
37	If you can run 2 miles in 13 minutes, will it take you 36 minutes to run 4? 26	N

38	A brief you will be attending lasts 1 ½ hours. Will it end at 1145 if it starts at 0930? 1045	N
39	Is the voting age 21? 18	N
40	Is New York City in the West Coast time zone?	N
41	Is New Orleans at sea level? Below sea level	N
42	Are Congressional representatives elected to 2-year terms?	Y
43	Are there 100 members of the U.S. Senate?	Y
44	Do state governors control the National Guard in times of peace?	Y
45	Does the U.S. Coast Guard operate as part of the Army during war time? <i>Navy</i>	N
46	"Semper Fi" means always faithful. Marines	Y
47	Was the Army the first branch of the U.S. Armed forces to be created? <i>June 14, 1775</i>	Y
48	Are there 6 fighting branches in the U.S. Military? 5	N
49	Does the Army have the motto "This We'll Defend"?	Y
50	Are the Blue Angels part of the Air Force? Navy	N

Address cards: name & address sorting list

Two Barrel Gun Range ATTN: Lance Lott 6103 Chester Road Boise, Idaho	Allstar Appliance Mart ATTN: Sara Tillman 7199 Stave Road Queens, New York
Modern Manufacturing ATTN: Ethan Wolfe 6907 Caracol Drive Bridgewater, Massachusetts	Silver and More Jewelry ATTN: Anna Smithe 2730 Wilson Ave Seattle, Washington
Loose Cannon Gun Range ATTN: Victor Dowdy 805 Pinon Circle Sandusky, Ohio	Integrated Computer Consultants ATTN: Becky Ellsworth 37920 Orion Blvd Birmingham, Alabama
United Plumbing Service ATTN: David Hammoc 27492 Rittaman Road White Plains, New York	Merritt Excavation ATTN: Paul Merritt 5000 N Loop 289 Allen Park, Georgia

Wilford Shooting Supply ATTN: Darren Day 9123 North Shore Drive Wheaton, Ohio	Appraisals R Us ATTN: Perry Guilde 6371 Howard St South Bend, Indiana
Four Corners Electronics ATTN: Jacob Brown 102 Mountain Ave Manhattan, New York	Investing Your Way ATTN: Rodrick Cantburry 12304 Woodlawn Ave Greenfield, Pennsylvania
Choice Chiropractic ATTN: Beth Jackson 14573 Center Ave Nashville, Tennessee	Rainbird Irrigation ATTN: Gerry Giford 2587 Lester Road San Jose, California
University Book Store ATTN: Sandra Raff 5672 Great South Road East Lansing, Michigan	Ice Cream You Scream ATTN: Susie Landry 4973 Merry Ave Naples, Florida

Fantastic Furniture	Sandy's Graphics and Tees
ATTN: Anthony Jerrod	ATTN: Matthew Bitters
7001 Stahl Road	1590 Courage Road
Northfield, Minnesota	Scottsdale, Arizona
Serenity Security Systems ATTN: Janelle Whitlock 30032 Tundra Road Cleveland, Ohio	Everyone's Hero Shooting ATTN: Robert Crona 587 Oats Boulevard Los Angeles, California
Graples Convenient Store	Mother's Mattress Gallery
ATTN: Seth Goode	ATTN: Alejandro Juarez
17648 Meadowlark Lane	9008 Pilsner Road
Myrtle Beach, South Carolina	Richfield, Utah
Q-T Tuxedos	Green Tree Mortgage
ATTN: Taryn Johnson	ATTN: Dora Fiscal
543 Frost Street	40167 Frozen Street
Fargo, Minnesota	Anchorage, Alaska

Utterly Different Toys ATTN: Karin Wales 999 Punch Lane Blaine, Washington	Freedom Furniture Repair ATTN: Faith Ferrity 37004 Rover Drive Dover, Delaware
Northern Remodeling	Winner's Circle Guns and Ammo
ATTN: Erin Pipers	ATTN: Michael Sutton
222 Vault Road	631 Gang Ave
Hibbing, Minnesota	Westland, New York
Gateway Jewelry ATTN: Valerie Luna 397 Ariel Lane Memphis, Tennessee	Aeronautics of the West ATTN: Alton Smith 3017 Ocean Road Carmel, California
Quality Subs	Iridescent Salon
ATTN: Melvin Coughlin	ATTN: Sally Kross
55870 Tundra Road	1349 Red Dye Road
Seattle, Washington	Tempe, Arizona

Valley Realty ATTN: Scott Manheim 7871 Jamestown Blvd Hershey, Pennsylvania	The Split End Salon ATTN: Emily Culbertson 9000 Eisenhower Blvd Hollywood, California
Behavior Help Line ATTN: Laurence Carol 4370 Green Mountain Road Chicago, Illinois	Colossal Comedy Club ATTN: Jeremy Fowl 891 Captain Street Annapolis, Maryland
Cheery Cleaners ATTN: Pauline Cotton 11100 Dryer Toronto, Canada	Charlie's Barber Shop ATTN: Charlie Stanton 5647 Troll Drive Roosevelt, Utah
Gold Gloves Gym ATTN: George Mathis 4872 Valor Circle Redford, Michigan	Kidz Korral Learning Center ATTN: Debra Carson 8300 Sage Drive Springfield, Illinois

Brandon's Bait and Tackle ATTN: Mitch Brandon 2340 Pier Ave Lake Lansing, Michigan	Home Away From Home Hotel ATTN: Gabriel Saenz 92673 Azura Circle Syracuse, New York
Equal Equity	Pistol Packin' Donna
ATTN: John Stockton	ATTN: Donna Terry
6372 Durbin Drive	40879 Cherry Drive
Bangor, Maine	Tampa, Florida
Computer Solutions ATTN: Jory Allison 13467 Hathaway Jackson, Wyoming	Nanna's Nail Salon ATTN: Nellie Fry 741 Drowning Drive Madison, Wisconsin
Nuts and Bolts Hardware	Dentures Dental
ATTN: Harry Zimmerman	ATTN: Dale Young
2014 Mesquite Ave	134 Candy Street
Chicago, Illinois	Santa Rosa, California

Ferngully Florist ATTN: Rosa Medallion 3057 Budding Lane Honolulu, Hawaii	Slick Willie's Tires ATTN: Murphy Stiles 4691 Cross Court San Antonio, Texas
Terrible Tees ATTN: Josia Auburn 23401 Burnt Tree Street Denver, Colorado	Mayberry Range ATTN: Martin Sutton 7395 Pomeranian Court Columbus, Ohio
Conrad's Motor Company ATTN: Saul Merin 13975 Atwater Court Buffalo, New York	Cuticles Spa ATTN: Bethany Boss 69270 Lions Denver, Colorado
Targets Galore ATTN: Jeffrey Goodenough 46931 Sheffield Court Mansfield, Illinois	Killer Security Services ATTN: Kidd Knight 91800 Millers Street Pittsburg, Pennsylvania

Southern Lawns Landscaping Albuquerque Appliance Mart ATTN: Miranda Funde ATTN: Karol Cruise 17383 Ironhorse Drive 9797 Warhouse Road Helotes, Texas Albuquerque, New Mexico Advanced Heating and Cooling Tree Trimming Solutions ATTN: Melvin Winters ATTN: Louis McPeters 7777 Jockey Lane 22933 Pewter Charleston, Virginia Eugene, Oregon

Session 2: APT-3 and Generalization Activity

Topic: Juggling Duties

Alternating and Divided Attention

Session 2 Objectives (50 minutes)

V	Lecture	topic	Notes	Time Allotted
	APT-3		Refer to APT-3 Software.	30 Min
	Complete: APT-3 meta generalization activities Review perform Software.	nance on APT- 3	View performance on APT-3 Computer Program through View Data on Performance, then select the task to view or edit Current APT-3 Program>History (View)>Task Data Over Time or Detailed Task Data.	
		urious strategies can mance and discuss o everyday	For generalization activity, refer client to APT -3 Generalization Form and APT -3 Generalization Form Examples in Appendix B. Refer to Clinician Score Sheet in Appendix C to enter data.	15 Min
	Complete score APT-3 session.	e sheet for current	For information on APT-3 sections, refer to <i>APT-3 Manual</i> (available on APT-3 drive). ⁷	
	Homework: Check on	homework status.		
	Due Session 3: breakdown.	Identify areas of	Refer to Juggling Duties Challenges in Session 3.	5 Min

Session 3: Juggling Duties Challenges, Aids and Strategies

Topic: Juggling Duties

Alternating and Divided Attention

Session 3 Objectives (50 minutes)

	Lecture topic	Notes	Time Allotted
Н	omework: Review status of group homework.		5 Min
	Address any questions regarding homework.		
Н	omework: Check on individual homework status.	Refer to Juggling Duties Challenges.	5 Min
	Today, (Session 3) client should have identified areas of breakdown. Continue on Session 5 if not completed.		
	On Session 5, identify solutions to the identified areas of breakdown.		
D	iscuss: Internal strategies	Refer to External Memory Strategies	
	Visual imagery	and Internal Memory Strategies.	
	Association		
	Rehearsal		
	Rhymes		10
	Chunking		Min
D	iscuss: External strategies		
	Highlighting]	
	Taking notes		
	Recorder		
	ectivity: Alternating and divided attention task: Instruct ent on <i>Autism Spectrum Disorder & Hamlet</i> procedure.	Refer to Autism Spectrum Disorder& Hamlet.	
	Client to read a passage and respond to questions at	Client reviews Autism Spectrum	15
	end of allotted time. Give Client Autism Spectrum	Disorders text.	
	Disorders text.	Client switches to Hamlet Soliloguy.	Min
	Alternate with memorization task every 3 to 4 minutes, client to try to remember <i>Hamlet Soliloquy</i> .	Refer to Autism Spectrum Disorders & Hamlet Soliloguy Quiz Answer Key	
M	etacognition	Complete Metacognitive Rating Scale.	15
	Highlight strategies client used.]	Min
	Thement shareges them used.		101111

Answer key: autism spectrum disorders & Hamlet soliloquy quiz

Client is to engage in this activity after education on strategies to optimize attention. Direct the client to read the *Autism Spectrum Disorder* text. Instruct client that he/she will be asked questions about the text afterward.

Client will be 'Interrupted' in his/her reading by another task demand periodically while doing this exercise. Interrupt every 3 to 4 minutes to switch to a memorization task, such as Hamlet. Ask the following questions within the allotted time for activity, and ask the client to recite what he/she remembers of Hamlet.

1	What does ASD stand for? Autism Spectrum Disorder
2	Name three syndromes associated with ASD? Aspergers Syndrome, Rett Syndrome, Autistic Disorder and Pervasive Developmental Disorder
3	Which doctor first documented ASD? Dr. L. Kanner
4	What is the prevalence of ASD worldwide? Two to six children per 1,000
5	Name one symptom that babies with ASD may exhibit. <i>Unresponsive to people; Stare at item for long periods of time</i>
6	If a child doesn't speak a word by a certain age, he/she may have ASD. What is this age? 16 months
7	What are some indicators of ASD in a small child? Inappropriate playing with toys; Fixation on one toy. Hearing problems; Not smiling when smiled at
8	TRUE or FALSE: Children with ASD are not emotionally attached to their parents. False
9	If a child with ASD is going to speak, he/she will speak by what age? Nine
10	TRUE or FALSE: One in three children with ASD has a seizure disorder. False
11	Besides difficulties with communication and emotional attachment, what other problem(s) do children with ASD have? <i>Abnormal sensory registry</i>
12	What does IFSP stand for? Individualized Family Service Plan
13	How much of the Hamlet passage do you remember? Recite as much as you can.

Session 4: APT-3 and Generalization Activity

Topic: Juggling Duties

Alternating and Divided Attention

Session 4 Objectives (50 minutes)

V	Lecture topic	Notes	Time Allotted
	APT-3	Refer to APT-3 Software.	30 Min
	Complete: APT-3 metacognitive and generalization activities Review performance on APT- 3 software. Discuss how various strategies can improve performance and discuss generalization to everyday activities. Fill out clinician score sheet for current APT-3 session.	View performance on APT-3 Computer Program through View Data on Performance, then select the task to view or edit Current APT-3Program>History (View)>Task Data Over Time or Detailed Task Data. For generalization activity, refer client to APT-3 Generalization Form and refer to APT-3 Generalization Form Examples in Appendix B. Clinician will refer to Clinician Score Sheet in Appendix C to enter data. For information on APT-3 sections, refer to APT-3 Manual (available on APT-3 drive).7	15 Min
	Homework: Check on homework status.	Refer to Juggling Duties Challenges in Session 3.	5 Min

Session 5: Audio Recording and Zip Code Locations

Topic: Juggling Duties Alternating and Divided Attention Session 5 Objectives (50 minutes) $\overline{\mathbf{V}}$ **Notes** For this session, you will Time need 3 1-minute audio Lecture topic Allotted recordings (not included) with accompanying comprehension questions. Homework: Discuss completed homework Refer to Juggling Duties Challenges in assignments. 5 Session 3. Min Specifically identify areas where breakdown **Activity**: Cancellation task with auditory distracter Allow client 1 minute to review questions in audio recording questions. Refer to Audio Recording Questions. Instruct client to complete location selected Refer to Zip Code Location and Zip Code 20 Map.with Zip Code Map while radio story plays. Min Refer to Internal Memory Strategies & Have client identify possible strategies to use External Memory Strategies in Session 3 during task. for ideas. Play audio recording. Play audio recording. Metacognition Have client complete Metacognitive Rating Scale. 15 Discuss performance on tasks. Refer to Metacognitive Rating Scale. min Highlight effect of completing a timed task. Discuss external and internal strategies. What strategies were used? Refer to Clinician's Helper: Goal Program wrap up Attainment Scaling. Refer to client's Review personal goals and the Goal Attainment Goal Attainment Scaling Forms (located 10 Scaling process. in the Goal Setting section in the front Min of the manual) Discuss the importance of generalization and application of learned skills.

Refer to Score Summary.

Audio recording questions

Instruct client as follows:

You will hear a set of audio recordings and then answer the following questions. At the same time, you will complete the Zip Code Location task.

Refer to Zip Code Location.

Take 1 minute to review the questions before we begin.



Play chosen audio recordings

Questions	Responses
1	
2	
3	
4	
1	
2	
3	
4	
1	
2	
3	
4	

Clinician's helper: goal attainment scaling

See Appendix D for examples.

I. Purpose= Measures goal achievement/progress.
Rated on a continuum:

+2	+1	0	-1	-2
much more	somewhat	expected	somewhat	much less
than	more than	outcome	less than	than
expected	expected		expected	expected
			This is baseline	
			for constructing	
			GAS goals	

- II. How to construct or revise GAS goals:
 - A. Construct goals using **SMART**
 - 1. **S**pecific
 - 2. **M**easurable
 - 3. Attainable in the amount of time that client has in SCORE
 - 4. **R**ealistic for completion during engagement in SCORE
 - 5. Timely
 - B. Prioritize goals from most important to least important (goal number one is most important)
 - C. For each goal, first define where client is currently performing (-1 on GAS scale)
 - D. After current performance spelled out, define expected level of outcome (0 on scale)
 - E. After expected level of outcome spelled out, define +1 and +2 goals
 - F. After +1 and +2 goals spelled out, define -2 goals
 - G. Follow-up/review at the end of each week

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Appendix A: Acronyms

APT Attention Processing Training
ASD Autism Spectrum Disorder

CAOT Canadian Association of Occupational Therapists
COPM Canadian Occupational Performance Measure

CP clinician prompted (strategy use)

DoD Department of Defense
GAS Goal Attainment Scaling

MPT Matching Person & Technology
mTBI mild traumatic brain injury
OEF Operation Enduring Freedom
OIF Operation Iraqi Freedom

OND Operation New Dawn (new name for OIF)
PQRST preview, question, read, state/summary, test
SCORE Study of Cognitive Rehabilitation Effectiveness

SI self-initiated (strategy use)

SMART specific, measurable, attainable, realistic, timely (goals)

SQ3R survey, question, read, recall/recite, review

TBI traumatic brain injury

VA Department of Veterans Affairs

Appendix B: APT-3 Generalization Form Examples

Below are examples of how each APT-3 area can be related to everyday tasks that you encounter. You may refer to these examples when completing your APT-3 Generalization Form^{7,8}

Basic Sustained	 The ability to maintain attention during continuous repetitive activities Listening for your name in roll call Listening to the traffic report for your route home Listening for business closures on the news following an ice storm Reading the paper Sorting emails during your 30 minutes of administration time
Selective Attention	 Selectively processing target information while inhibiting responses to non-target information Listening to your spouse in a busy waiting room Reading emails on your smartphone in a noisy area Filling out paperwork in a busy office Doing tasks in your office with construction next door Making dinner, with your children playing in the background
Executive Control, Working Memory	Process for holding onto and manipulating information in one's head such as during mental calculations Determining a tip at a restaurant Identifying an alternate route home Determining travel departures and arrival times (especially when changing time zones) Converting measurements while baking or building

Executive Control Suppression	 Ability to control impulsive responding Not hitting the gas when a light turns green and there is a car in front of you Speaking before it is your turn, or interrupting in a conversation
Executive Control Alternating	 Ability to shift one's focus of attention (between/among tasks) Making dinner as your children periodically call on you for help with homework Answering the phone and responding to emails during your 30-minute break

You may use these basic titles when filling out your APT3 Generalization Form					
	Sustained Attention Auditory & Visual		Suppression (inhibition) Auditory & Visual		
	Selective Attention		Alternating Attention Auditory		
	Working Memory		Alternating Attention Visual		

Appendix C: Clinician Score Sheet⁷

Client Name:			APT – 3 Level:		SCORE Week			
	Cl	inician Score	Sheet: P	erformance Summary Ac	ross Trials			
Task Variables Speed: SLOW/FAST Cli	nician Voice:	MALE	/FEMAI	LE				
Date Version	Trial	Error Patter Start End	Pattern Strategies Observed** (See key below) (SI) = self-initiated strategy use		eov use	Client Rating		
		Delayed Random		(CP)=clinician prompte		Effort (1-10)	Motivatio n (1-10)	Accuracy (1-100)
**Strategies Observed								
Task Completion				ation/Self Efficacy	Task Understan			
Re-Auditorizing (Re-Aud)	Br eathing (Br))	Workin (Goal)	ng toward a goal	Repeating instruc	ctions (Rep)	
Visualizing (Vis) Pacing (Pace)		Self- talk (Talk)		Writing a reminder (Wrt)				
Verbal self-cueing (Verb) Body alert (Bod)		Rewards self (Rew)			, ,			
Counting on fing ers (Fing) Looking at scr een (Scri		ee n (Scrn)	rn) Br eathing/Relaxation (Br)			-		-
Closing eyes (Eyes)			Clinician encouragement (Cl)					
Notes:								

Appendix D: Goal Attainment Scaling Goal Examples

Goal:	I will improve my attention in order to read my college coursework without getting distracted
+2	I will read my college textbook for 60 minutes before requiring a 10 minute break
+1	I will read my college textbook for 45 minutes before requiring a 10 minute break
0	I will read my college textbook for 30 minutes before requiring a 5-10 minute break
-1	I read my college textbook for 20 minutes before requiring a 5-10 minute break
-2	I will be able to read my college textbook for less than 20 minutes before requiring a 5-10 minute break

Goal:	I will improve efficiency of completing tasks at work with fewer distractions and		
	better time management.		
+2	I will be able to work on work assignments (at desk and on the computer) for 60 minutes		
	before requiring a 10 minute break		
+1	I will be able to work on work assignments (at desk and on the computer) for 45 minutes		
	before requiring a 5 minute break		
0	I will be able to work on work assignments (at desk and on the computer) for 35 minutes		
	before requiring a 5 minute break		
-1	I work on work assignments (at desk and on the computer) for 25 minutes before requiring		
	a 5 minute break		
-2	I will be able to work on work assignments (at desk and on the computer) for less than 25		
	minutes before requiring a 5 minute break		

Goal:	I will be able to pay attention to what my spouse tells me and remember more of what I'm told.
+2	I will repeat the information told to me in conversations immediately, independently
+1	I will repeat the information told to me in conversations immediately with a minimal cue from my spouse
0	My spouse will have to remind me 1 time, the information provided during conversations
-1	My spouse reminds me 2 or more times, information provided during conversations
-2	My spouse will remind me of information from conversations daily and complete the tasks that I forget

Goal:	I will remember to take my medications without cues from my spouse or family.
+2	I will remember my medication with my alarms and no reminders from my spouse
+1	I will remember my medication with my alarms and my spouse will have to remind me less than 4 times a week
0	My spouse will have to remind me 1 time per day of my medications
-1	My spouse reminds me 2 or more times per day of my medications
-2	My spouse will gives me my medications each dose, each day